

Figure 1

SP 0	SP 4	C 8	C 12	C 16	C 20	C 24	C 28
R 1	SP 5	C 9	C 13	C 17	C 21	C 25	C 29
R 2	SP 6	SP 10	SP 14	SP 18	C 22	C 26	C 30
SP 3	SP 7	R 11	R 15	SP 19	C 23	C 27	C 31
C 32	SP 36	SP 40	SP 44	SP 48	C 52	C 56	C 60
C 33	C 37	C 41	C 45	C 49	C 53	C 57	C 61
C 34	C 38	C 42	C 46	C 50	C 54	C 58	C 62
C 25	C 39	C 43	C 47	C 51	C 55	C 59	C 63

Figure 2A

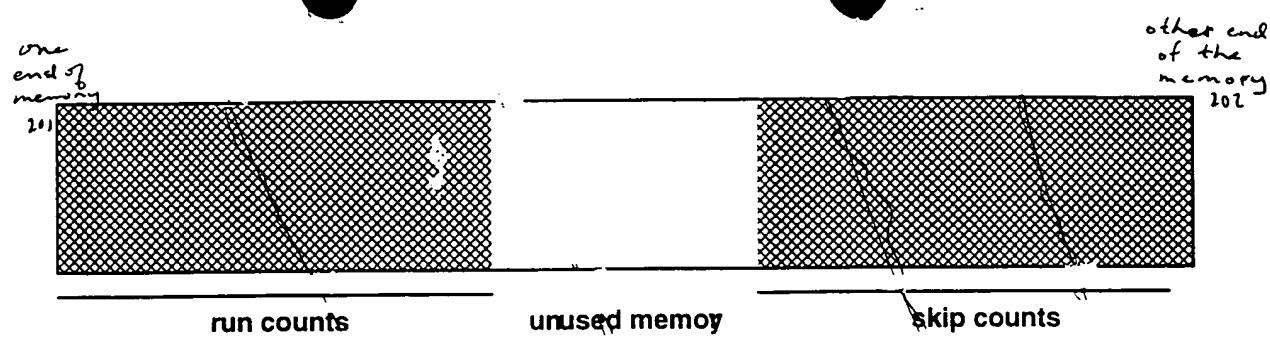


Figure 2B

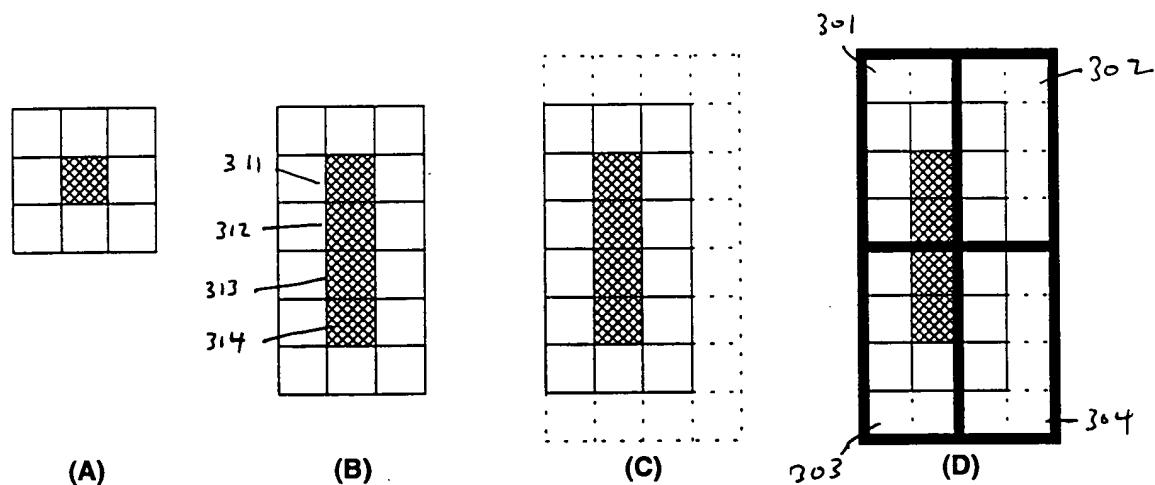


Figure 3

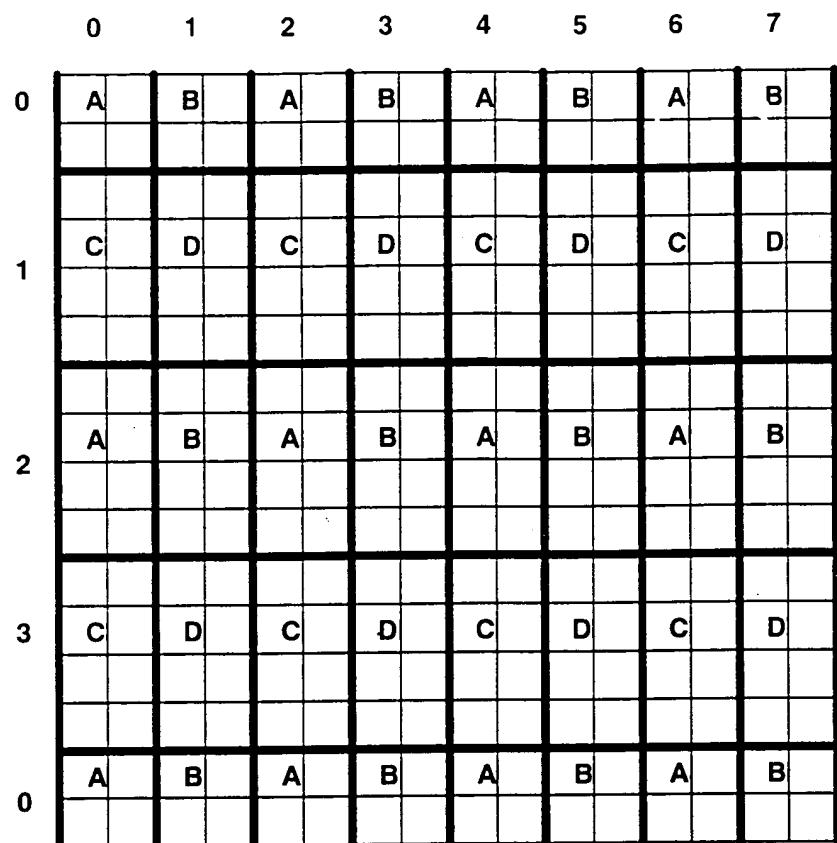


Figure 4

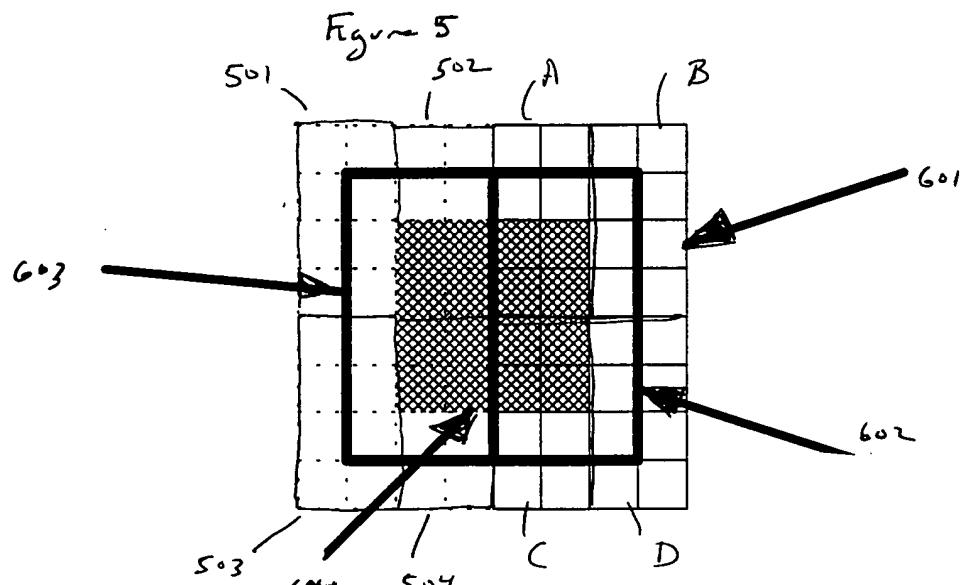
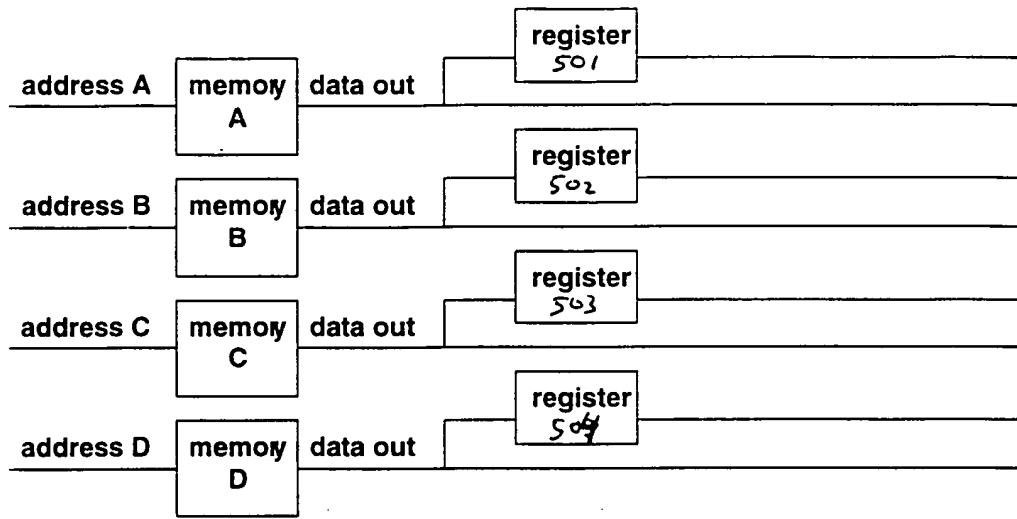


Figure 6

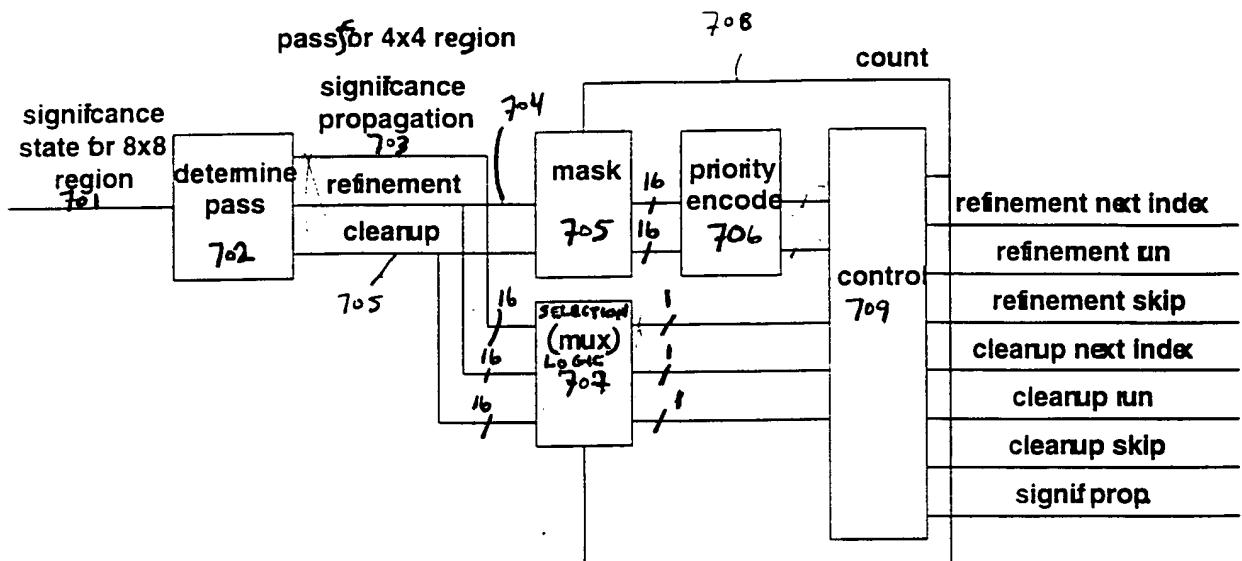


Figure 7

SP	SP	SP	SP
C	C	C	C
SP	SP	SP	SP
SP	R	R	SP

SP = significance propagation

C = cleanup

R = refinement

SP pass: 10\*2 for SP pass coefficients  
6 for C and R pass coefficients

C pass: 4\*2 for C pass coefficients

R pass: 2 for R pass

total: 36 clocks = 2.25 clocks per coefficient

Figure 8

	0	1	2	3
0	A	A	A	A
1	B	B	B	B
2	A	A	A	A
3	B	B	B	B
0	A	A	A	A

Figure 9

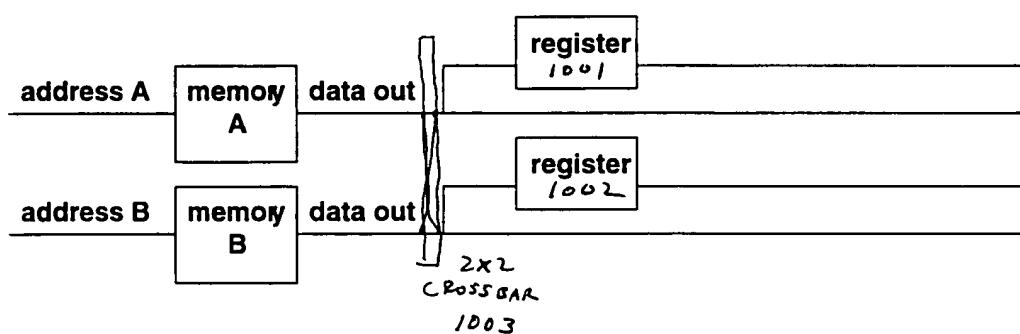


Figure 10

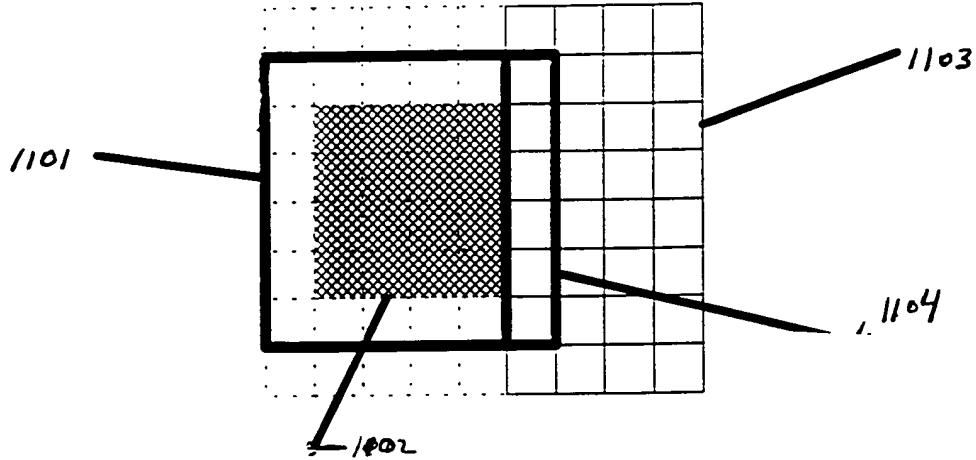


Figure 11

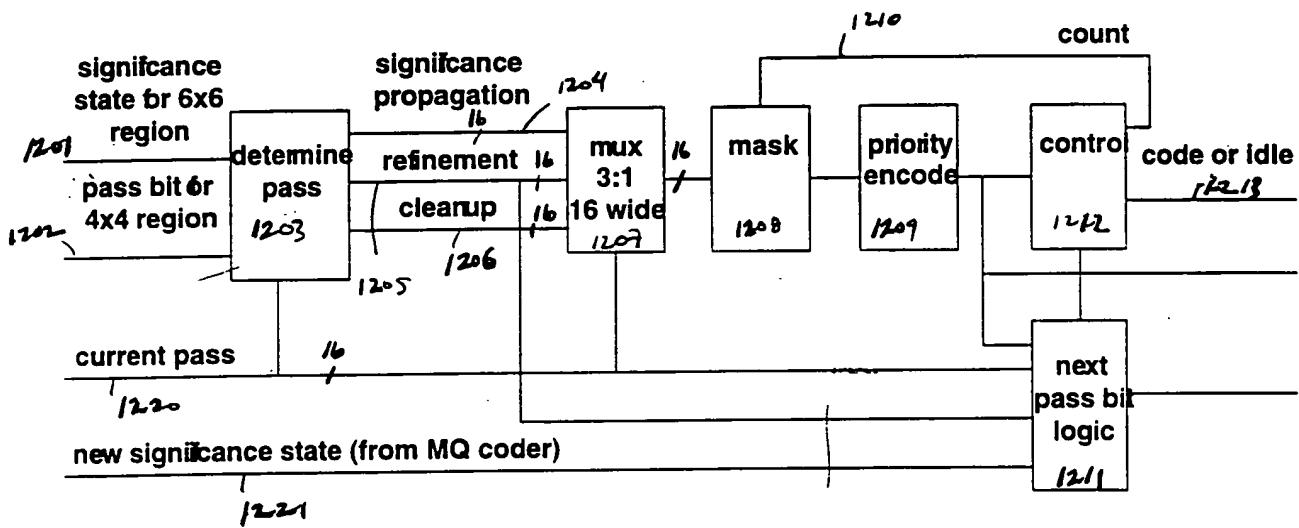


Figure 12

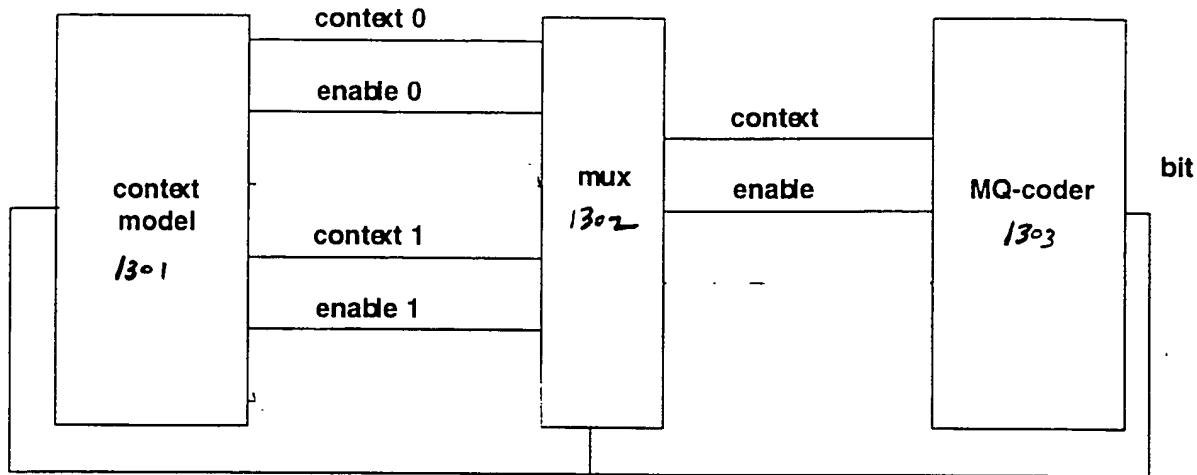


Figure 13

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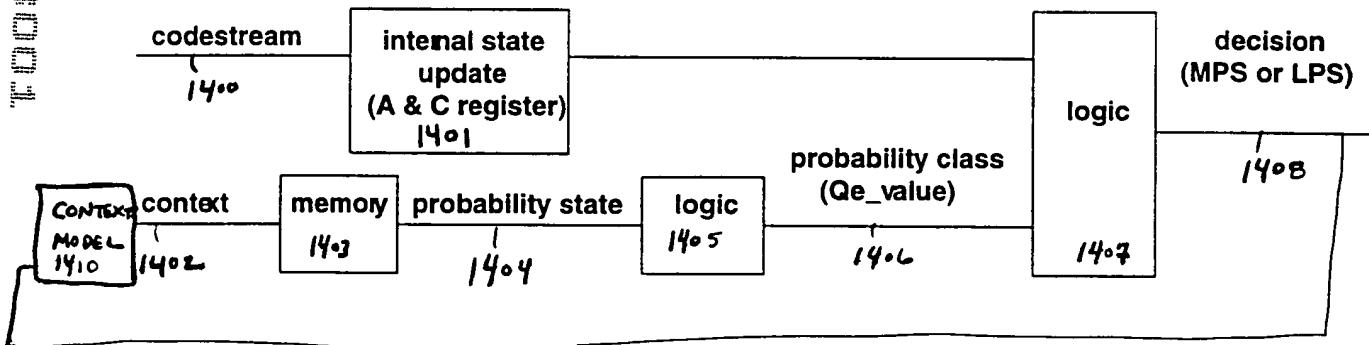


Figure 14A

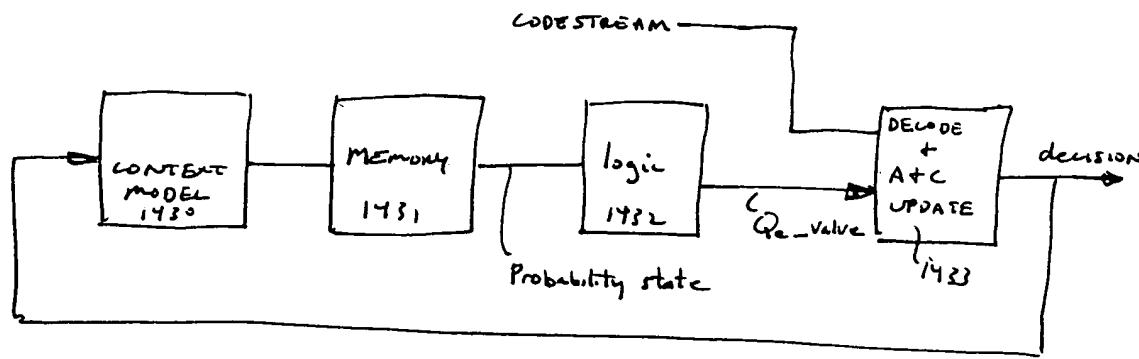


Figure 14B

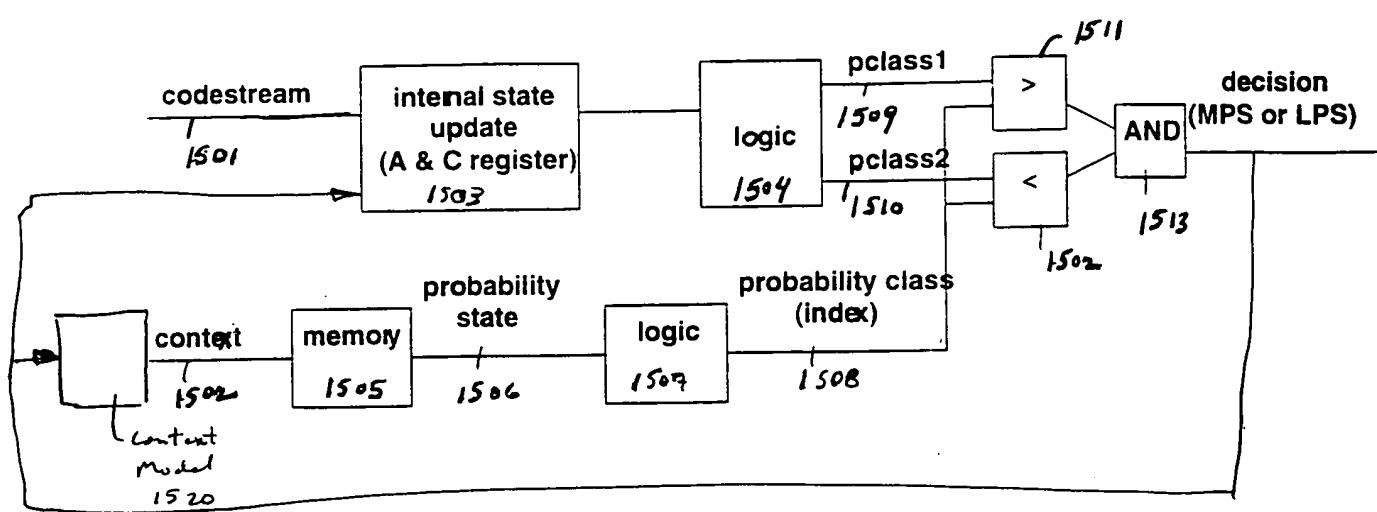


Figure 15

DECISION PROCESSING

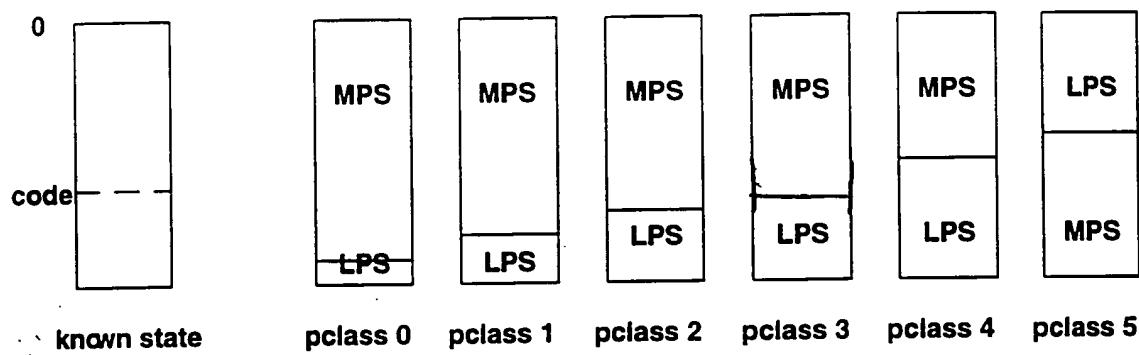


Figure 16 A

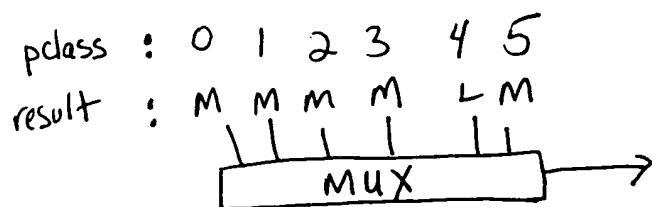


Figure 16 B

<b>5MPS</b>
<b>4 MPS</b>
<b>3 MPS</b>
<b>2 MPS</b>
<b>1 MPS</b>
<b>LPS</b>

**Figure 17**

### **luminance**

**chrominance**

B	B		
B	B	B	D
B	B		
B	B		
B	B	B	B

**chrominance**

C	C	C		D
C	C			
C	C			
C	C			C

. (A)

A	A		
A	A	A	B
A	A		
B			A

C	C	C	D
C	C		
C	C		
D			C

E	E	E	
E	E		F
E	E		
F			E

(3)

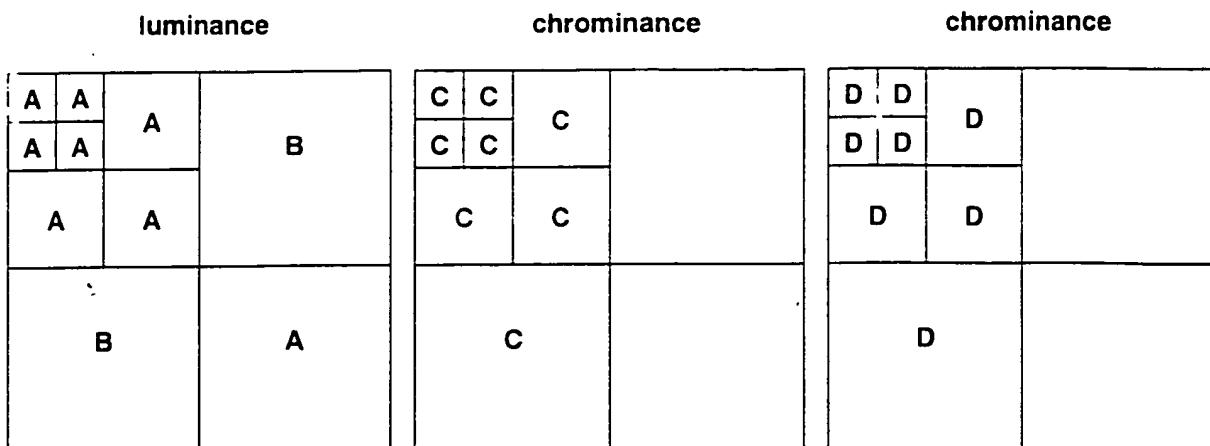
F	F	B	C
F	F		
A	A		
A		B	

G	G	C	
G	G		F
B	C		
D			H

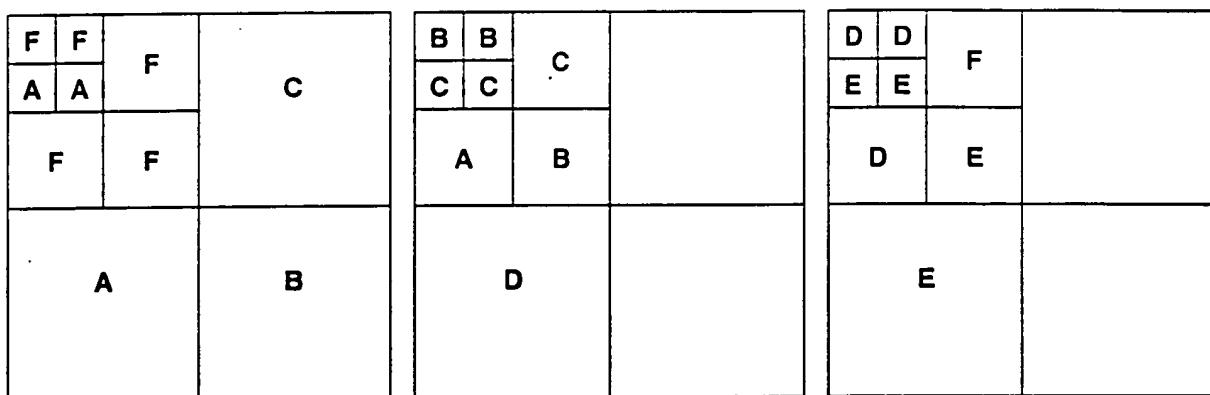
E	E	E	
E	E		E
D		D	
	G		H

(c)

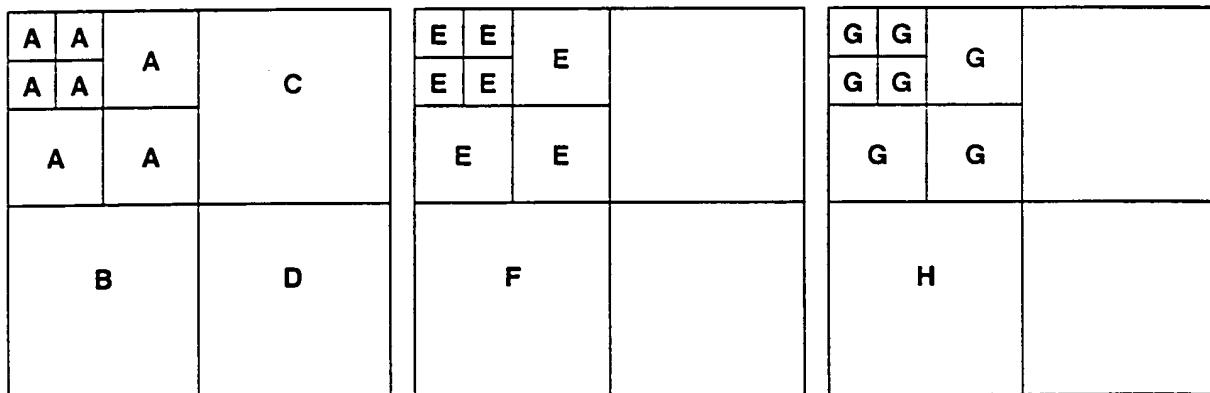
Figure 18



(A)



(8)



(c)

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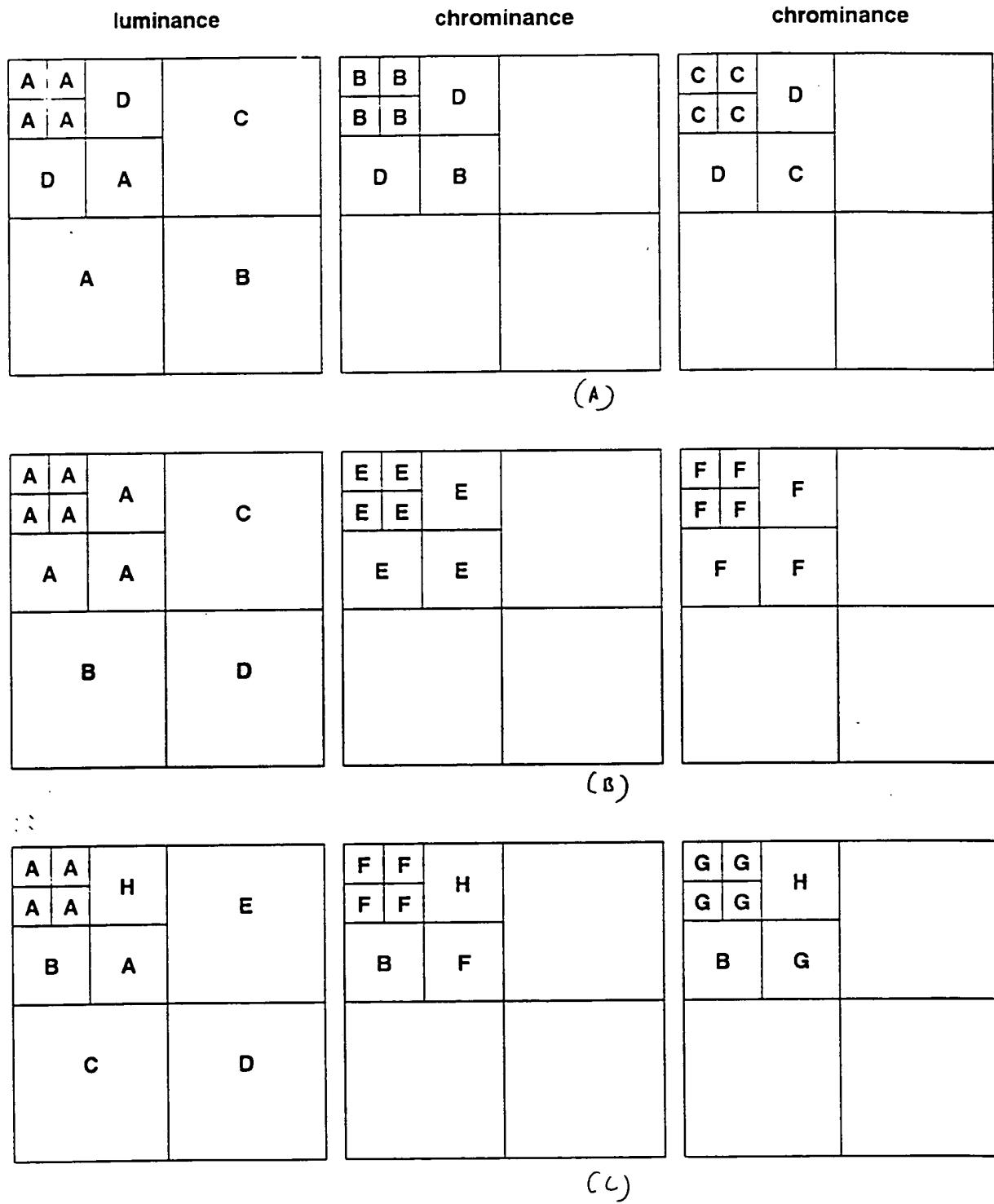


Figure 20

PROBLEMS IN IMAGE CODING

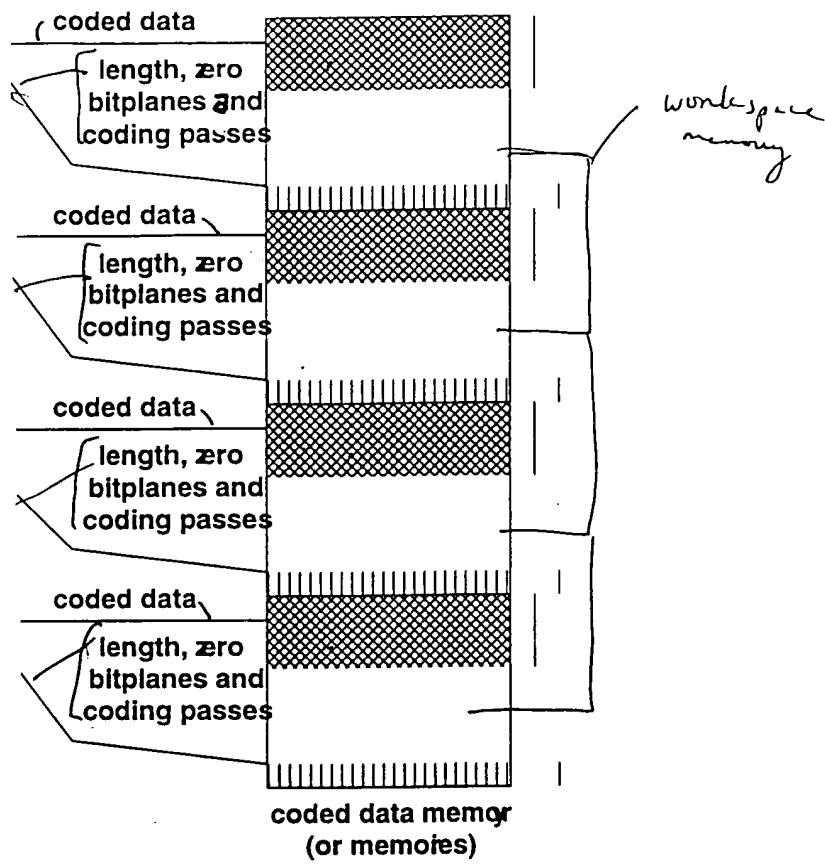


Figure 21

098826322 02320012

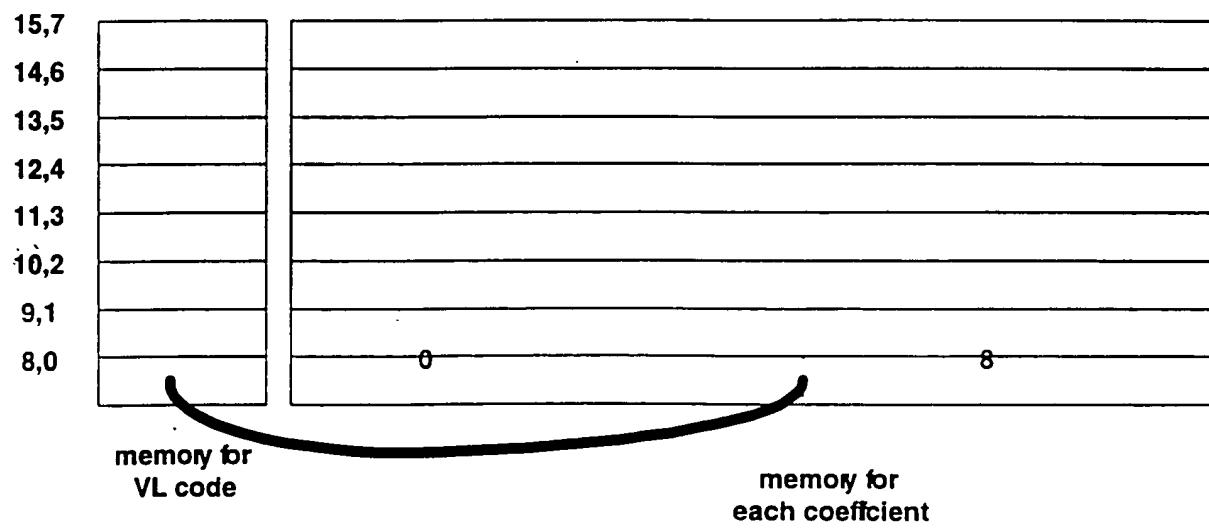
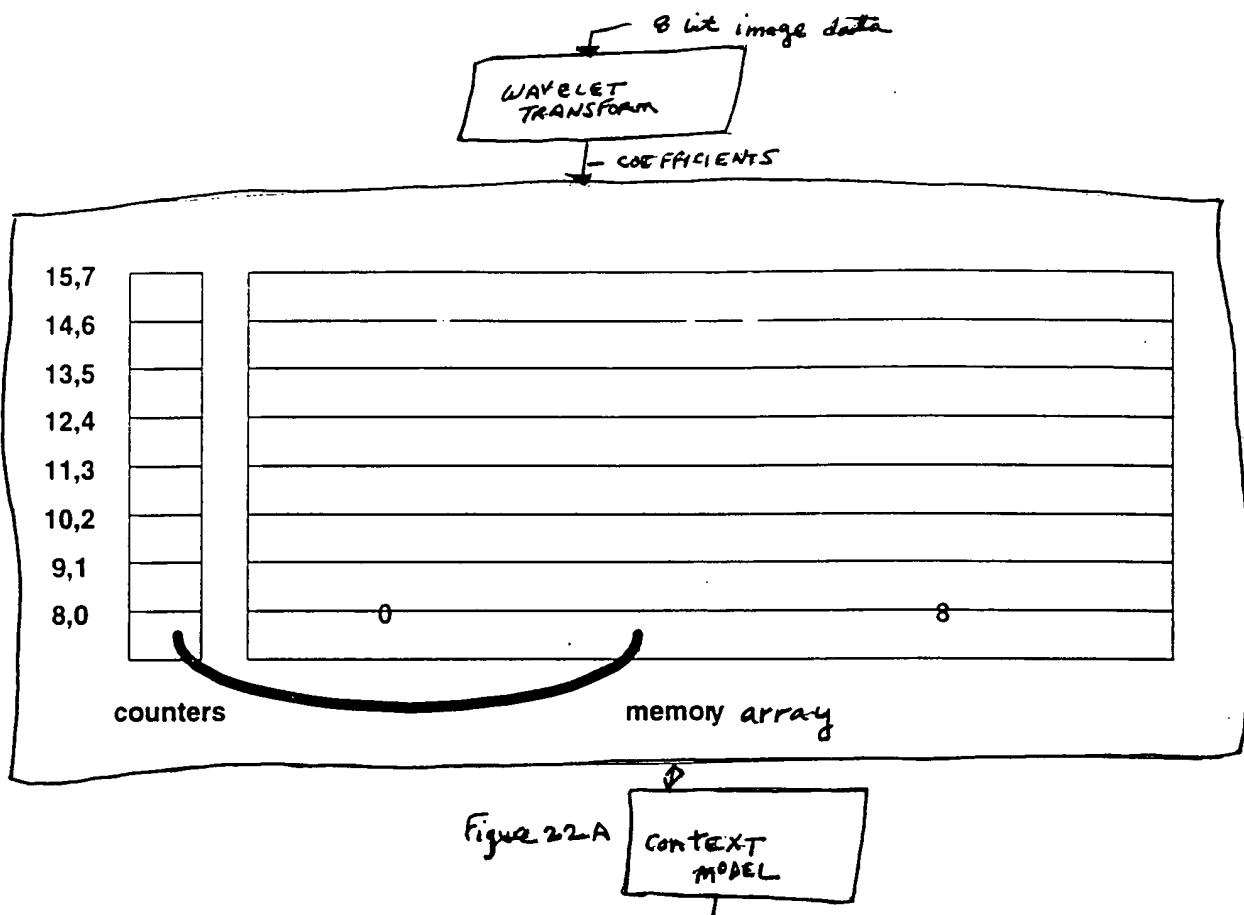


Figure 23

00000000000000

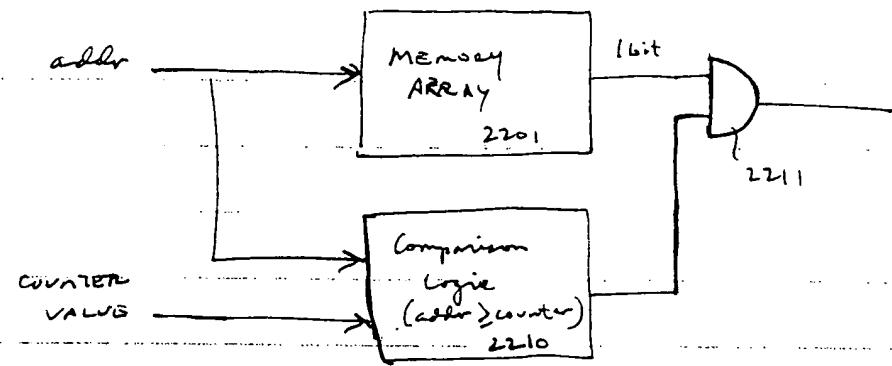
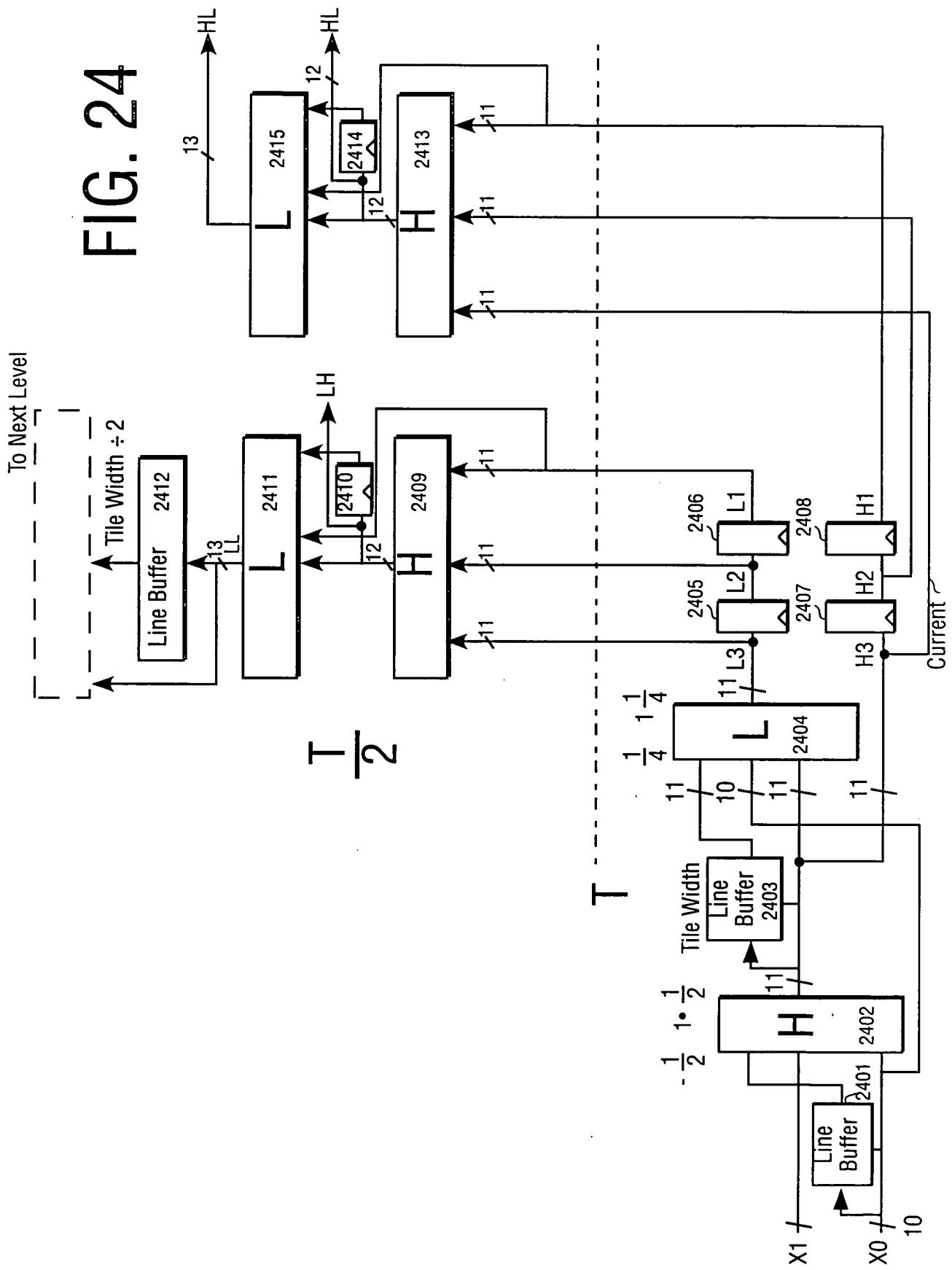


Figure 22B

FIG. 24



"FIGURE 25A" "FIGURE 26A"

FIG. 25A

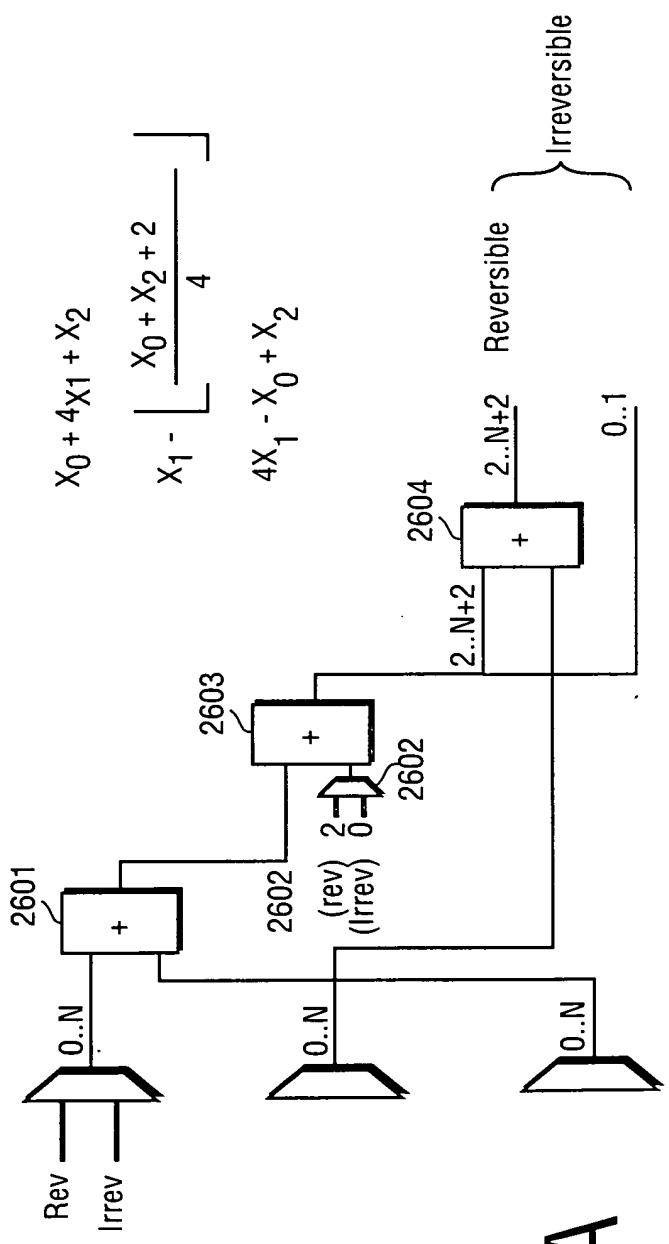
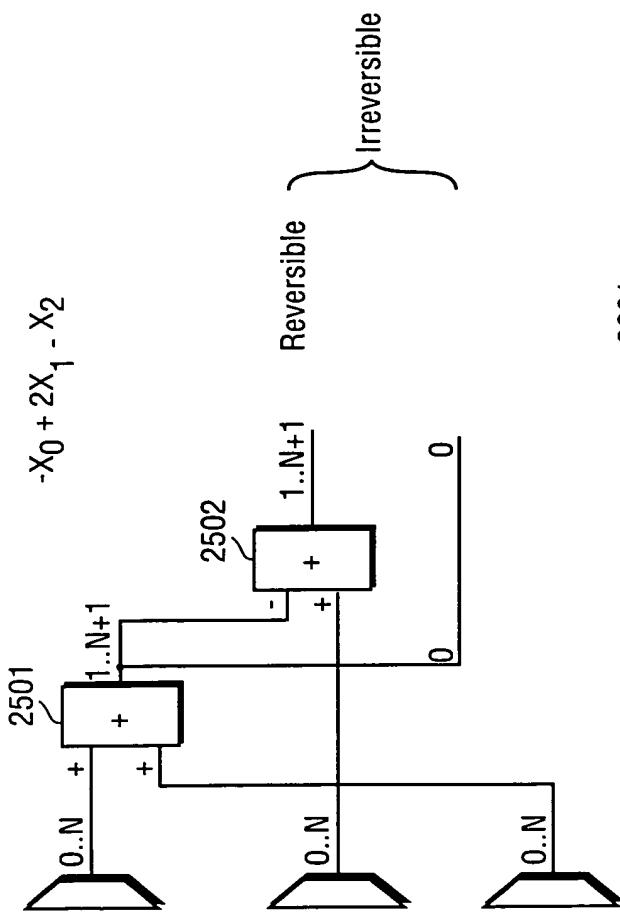
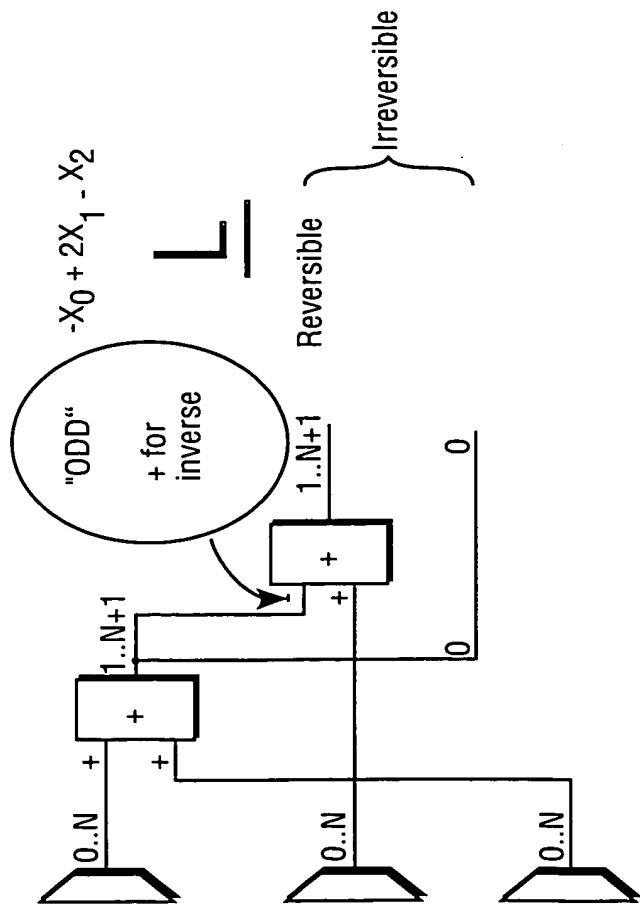


FIG. 26A

D E S C R I P T I O N

**FIG. 25B**



**FIG. 26B**

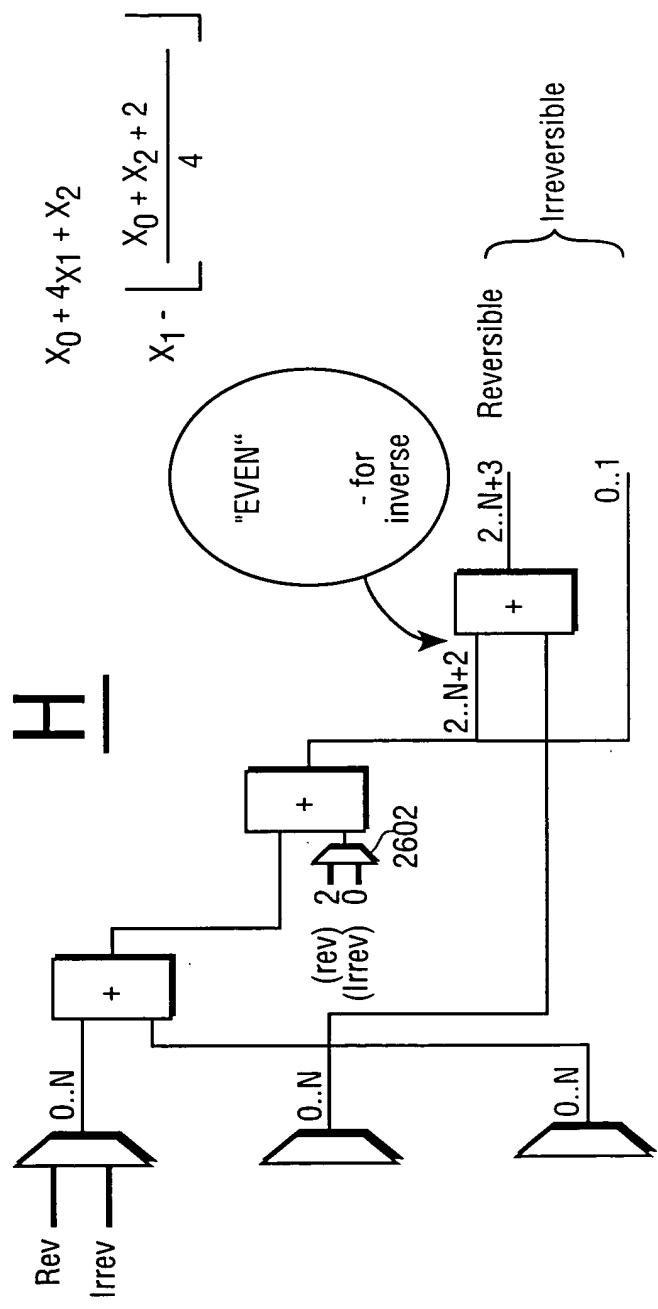
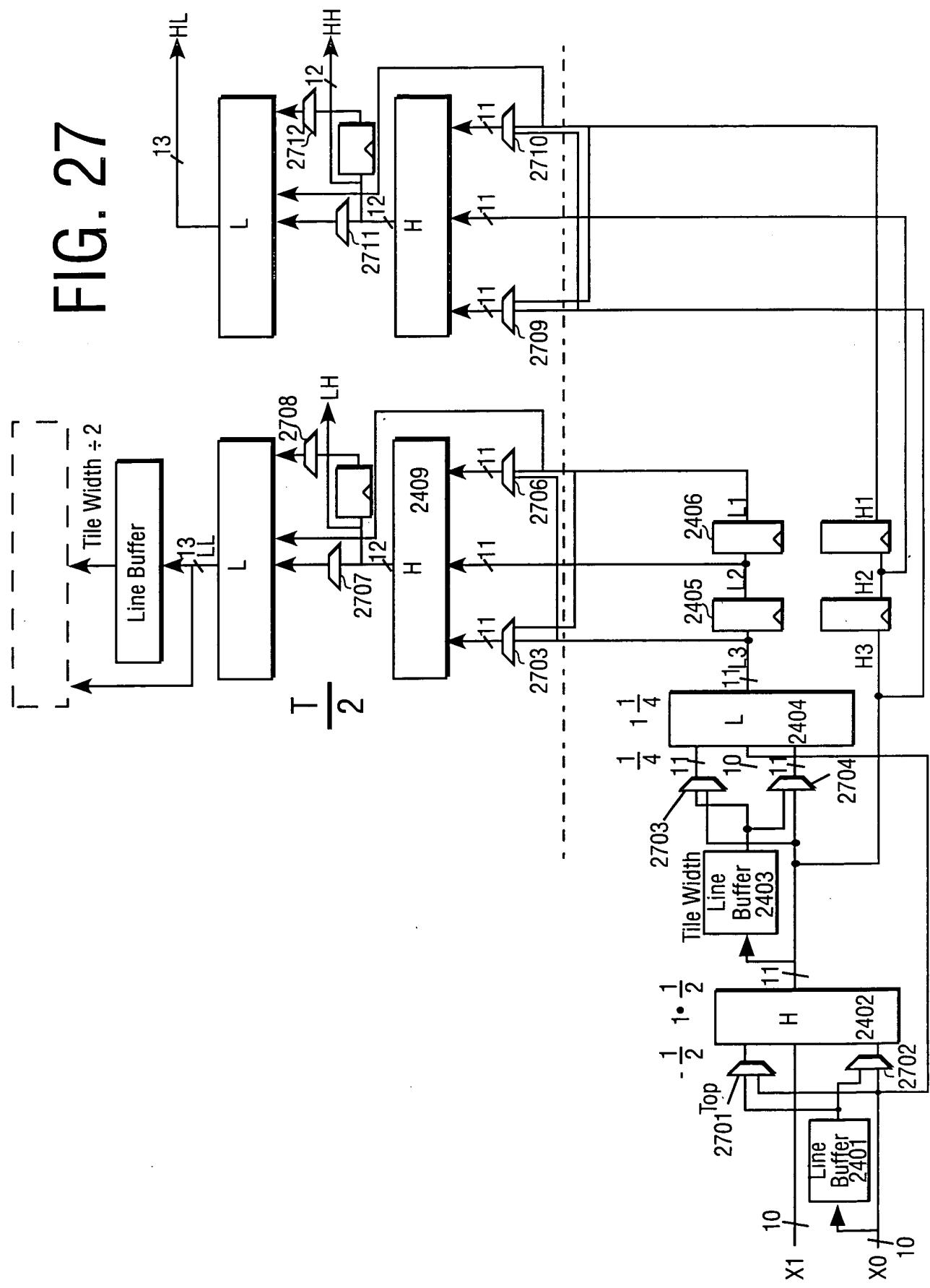
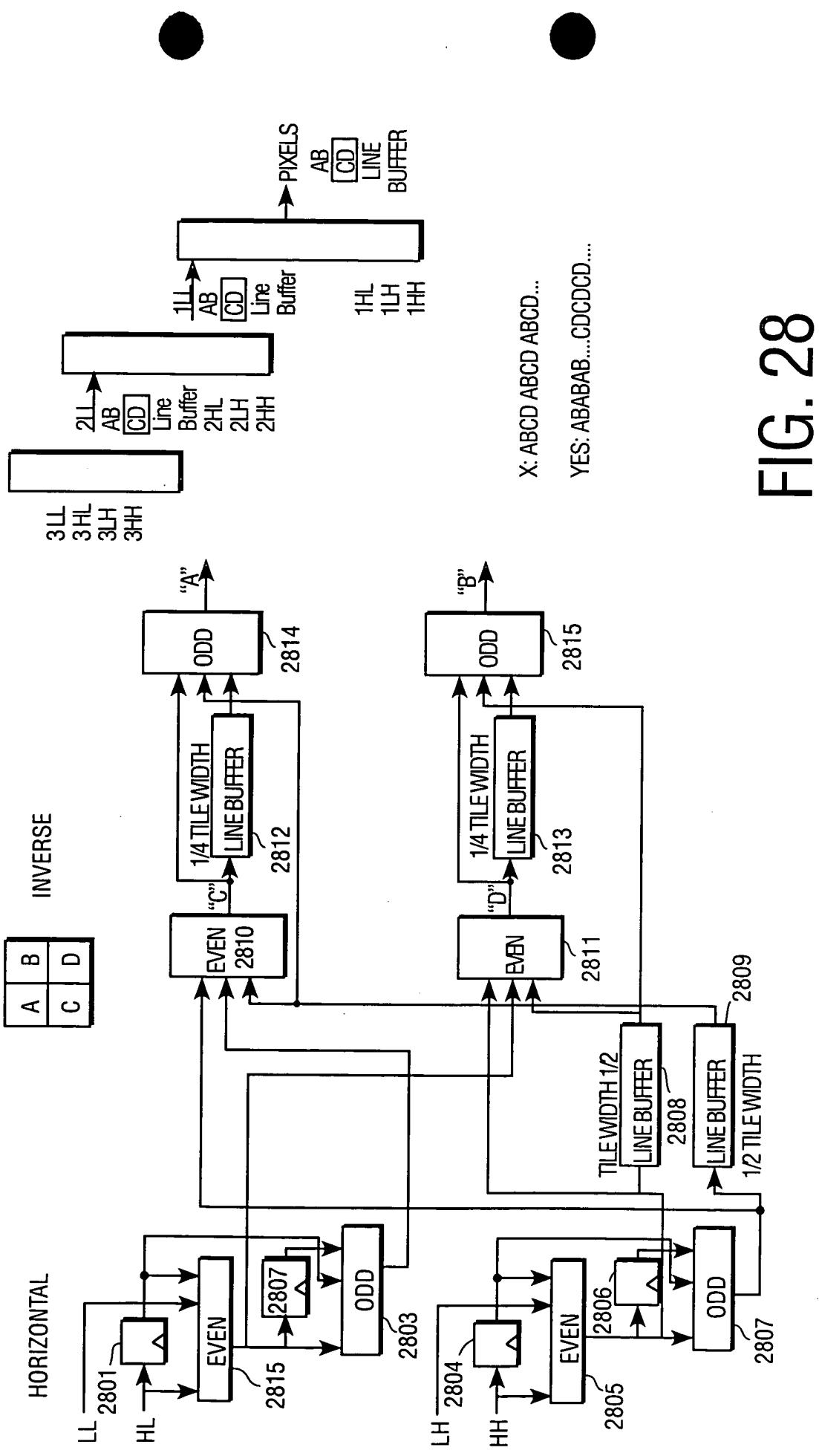


FIG. 27



卷之三



1000000 = 2900000000000

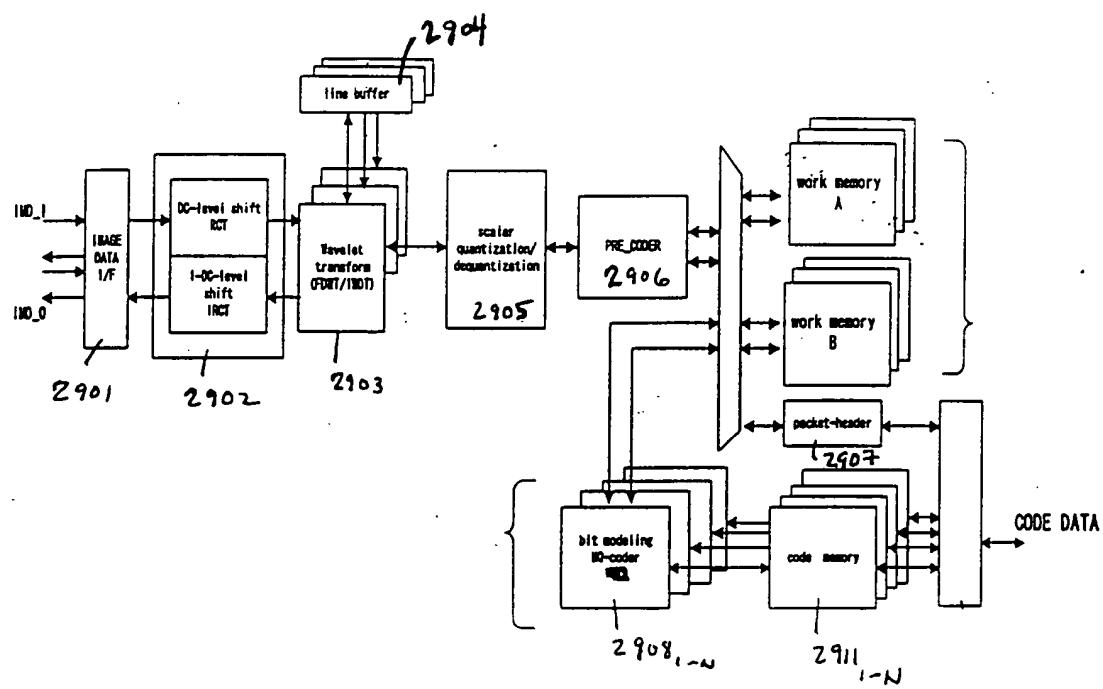


Figure 29

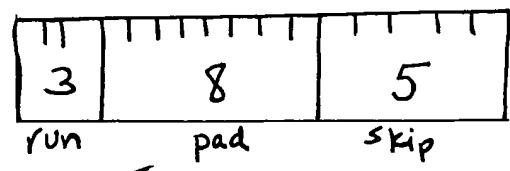


Figure 30

09823632 - 033001

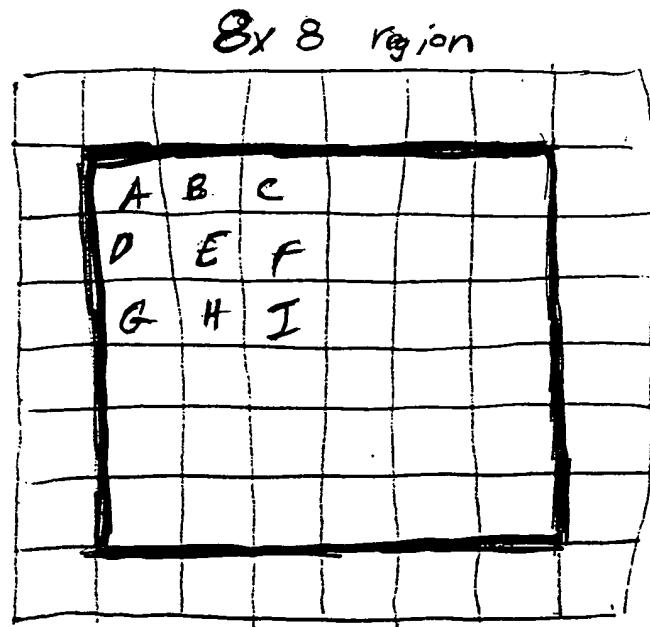


Figure 31

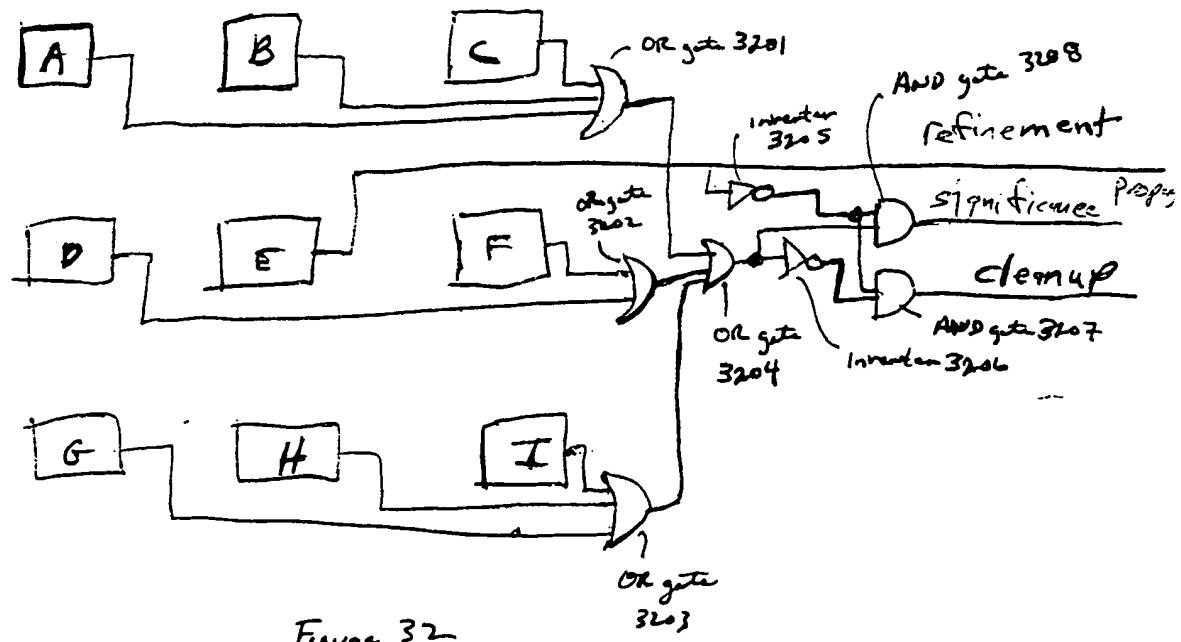


Figure 32